



COMPRESSOR DATA SHEET



ROTARY COMPRESSOR: VARIABLE SPEED / FREQUENCY DRIVE

MODEL DATA - FOR COMPRESSED AIR					
1	Manufacturer:	BOGE Kompressoren Otto Boge GmbH & Co.KG			
2	Model No:	C 12-2 LF		Date:	20.02.2026
	X	Air Cooled		Type:	
		Water Cooled		# of Stages:	1
		Other	Please State:		
3	Full Load Operating Pressure	10	bar g		
4	Drive Motor Nominal Rating	11	kW		
5	Drive Motor Nominal Efficiency	92,2	% (percent)		
6	Fan Motor Nominal Rating (if applicable)	0,75	kW		
7	Fan Motor Nominal Efficiency	82,5	% (percent)		
8	Range	Input Power (kW)	Capacity (m3/min)	Specific Power (kW/m3/min)	Isentropic Efficiency (%)
	Maximum Speed 100%	14,80	1,76	8,41	68,25%
		12,86	1,487	8,65	66,37%
		9,83	1	9,83	58,39%
		8,52	0,778	10,95	52,41%
	Minimum Speed	6,65	0,523	12,72	45,14%
9	Total Package Input Power at Zero Flow	0	kW		
10	Specific Power (kW/m3/min) Capacity (m³/min) Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 4 to 10, + 1kW/m³/min increments X-Axis Scale, 0 to 25% over maximum capacity				

*For models that are tested in the BCAS Data Sheet & Verification Programme, these items are verified by the third party administrator. Consult BCAS website for a list of participants in the third party verification programme: www.bcas.org.uk

- Notes:**
- a. Measured at the discharge terminal point of the compressor in accordance with ISO1217, Annex E; m3/min is cubic metres per minute at inlet conditions.
 - b. The operating pressure at which the capacity (item 8) and Electrical Consumption (Item 8) were measured for this data sheet.
 - c. No Load Power in accordance with ISO1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
 - d. Tolerance is specified in ISO1217, Annex E, as shown in table below:
 - e. The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions	Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m3/min	%	%	%
Below 0.5	+/- 7	+/- 8	+/- 10
0.5 to 1.5	+/- 6	+/- 7	
1.5 to 15	+/- 5	+/- 6	
Above 15	+/- 4	+/- 5	

This form was developed by the British Compressed Air Society (BCAS) for the use of its members participating in the DS&VP. BCAS has not independently verified the reported data.